



PCT10

RAW SEQUENCE LISTING

DATE: 06/04/2002

PATENT APPLICATION: US/10/019,455A

TIME: 16:16:43

Input Set : A:\56804342.app

Output Set: N:\CRF3\06042002\J019455A.raw

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3. <110> APPLICANT: ITOH, YASUAKI
4      NISHI, KAZUNORI
5      OGI, KAZUHIRO
6      OHKUBO, SHOICHI
7      MOGI, SHINICHI
8      NOGUCHI, YUKO
10 <120> TITLE OF INVENTION: NOVEL PEPTIDE AND DNA THEREOF
12 <130> FILE REFERENCE: 56804-46342
14 <140> CURRENT APPLICATION NUMBER: 10/019,455A
C--> 15 <141> CURRENT FILING DATE: 2002-04-22
17 <160> NUMBER OF SEQ ID NOS: 53
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 26
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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46 <211> LENGTH: 131
47 <212> TYPE: PRT
48 <213> ORGANISM: Homo sapiens
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54 Phe Ser Gly Pro Gly Val Arg Gly Gly Pro Met Pro Lys Leu Ala Asp
55      20      25      30
57 Arg Lys Leu Cys Ala Asp Gln Glu Cys Ser His Pro Ile Ser Met Ala
58      35      40      45
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60 Val Ala Leu Gln Asp Tyr Met Ala Pro Asp Cys Arg Phe Leu Thr Ile
61      50      55      60
63 His Arg Gly Gln Val Val Tyr Val Phe Ser Lys Leu Lys Gly Arg Gly
64 65      70      75      80

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66 Arg Leu Phe Trp Gly Gly Ser Val Gln Gly Asp Tyr Tyr Gly Asp Leu
67      85      90      95
69 Ala Ala Arg Leu Gly Tyr Phe Pro Ser Ser Ile Val Arg Glu Asp Gln
70      100      105      110
72 Thr Leu Lys Pro Gly Lys Val Asp Val Lys Thr Asp Lys Trp Asp Phe
73      115      120      125
75 Tyr Cys Gln
76      130
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81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapiens
84 <220> FEATURE:
85 <221> NAME/KEY: CDS
86 <222> LOCATION: (1)..(384)
88 <400> SEQUENCE: 4
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90 Met Ala Arg Ile Leu Leu Leu Phe Leu Pro Gly Leu Val Ala Val Cys
91 1      5      10      15
93 gct gtg cat gga ata ttt atg gac cgt cta gct tcc aag aag ctc tgt      96
94 Ala Val His Gly Ile Phe Met Asp Arg Leu Ala Ser Lys Lys Leu Cys
95      20      25      30
97 gca gat gat gag tgt gtc tat act att tct ctg gct agt gct caa gaa      144
98 Ala Asp Asp Glu Cys Val Tyr Thr Ile Ser Leu Ala Ser Ala Gln Glu
99      35      40      45
101 gat tat aat gcc ccg gac tgt aga ttc att aac gtt aaa aaa ggg cag      192
102 Asp Tyr Asn Ala Pro Asp Cys Arg Phe Ile Asn Val Lys Lys Gly Gln
103      50      55      60
105 cag atc tat gtg tac tca aag ctg gta aaa gaa aat gga gct gga gaa      240
106 Gln Ile Tyr Val Tyr Ser Lys Leu Val Lys Glu Asn Gly Ala Gly Glu
107 65      70      75      80
109 ttt tgg gct ggc agt gtt tat ggt gat ggc cag gac gag atg gga gtc      288
110 Phe Trp Ala Gly Ser Val Tyr Gly Asp Gly Gln Asp Glu Met Gly Val
111      85      90      95
113 gtg ggt tat ttc ccc agg aac ttg gtc aag gaa cag cgt gtg tac cag      336
114 Val Gly Tyr Phe Pro Arg Asn Leu Val Lys Glu Gln Arg Val Tyr Gln
115      100      105      110
117 gaa gct acc aag gaa gtt ccc acc acg gat att gac ttc ttc tgc gag      384
118 Glu Ala Thr Lys Glu Val Pro Thr Thr Asp Ile Asp Phe Phe Cys Glu
119      115      120      125
122 <210> SEQ ID NO: 5
123 <211> LENGTH: 18
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 5
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129 1      5      10      15
131 Ala Val
134 <210> SEQ ID NO: 6

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144   20           25           30
146 Ala Asp Asp Glu Cys Val Tyr Thr Ile Ser Leu Ala Ser Ala Gln Glu
147   35           40           45
149 Asp Tyr Asn Ala Pro Asp Cys Arg Phe Ile Asn Val Lys Lys Gly Gln
150   50           55           60
152 Gln Ile Tyr Val Tyr Ser Lys Leu Val Lys Glu Asn Gly Ala Gly Glu
153   65           70           75           80
155 Phe Trp Ala Gly Ser Val Tyr Gly Asp Gly Gln Asp Glu Met Gly Val
156   85           90           95
158 Val Gly Tyr Phe Pro Arg Asn Leu Val Lys Glu Gln Arg Val Tyr Gln
159   100          105          110
161 Glu Ala Thr Lys Glu Val Pro Thr Thr Asp Ile Asp Phe Phe Cys Glu
162   115          120          125
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167 <212> TYPE: DNA
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170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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177 <210> SEQ ID NO: 8
178 <211> LENGTH: 24
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
185 <400> SEQUENCE: 8
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189 <210> SEQ ID NO: 9
190 <211> LENGTH: 130
191 <212> TYPE: PRT
192 <213> ORGANISM: Mus sp.
194 <400> SEQUENCE: 9
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196   1           5           10           15
198 Ser Gly Pro Ser Arg Ala Asp Arg Ala Met Pro Lys Leu Ala Asp Trp
199   20           25           30
201 Lys Leu Cys Ala Asp Glu Glu Cys Ser His Pro Ile Ser Met Ala Val
202   35           40           45
204 Ala Leu Gln Asp Tyr Val Ala Pro Asp Cys Arg Phe Leu Thr Ile Tyr
205   50           55           60

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207 Arg Gly Gln Val Val Tyr Val Phe Ser Lys Leu Lys Gly Arg Gly Arg
208 65 70 75 80
210 Leu Phe Trp Gly Gly Ser Val Gln Gly Gly Tyr Tyr Gly Asp Leu Ala
211 85 90 95
213 Ala Arg Leu Gly Tyr Phe Pro Ser Ser Ile Val Arg Glu Asp Leu Thr
214 100 105 110
216 Leu Lys Pro Gly Lys Ile Asp Met Lys Thr Asp Gln Trp Asp Phe Tyr
217 115 120 125
219 Cys Gln
220 130
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225 <212> TYPE: DNA
226 <213> ORGANISM: Mus sp.
228 <220> FEATURE:
229 <221> NAME/KEY: CDS
230 <222> LOCATION: (1)..(384)
232 <400> SEQUENCE: 10
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234 Met Ala Arg Ile Leu Ile Leu Leu Leu Gly Gly Leu Val Val Leu Cys
235 1 5 10 15
237 gcc ggg cat ggt gta ttt atg gat aaa ctt tct tct aag aag ttg tgt 96
238 Ala Gly His Gly Val Phe Met Asp Lys Leu Ser Ser Lys Lys Leu Cys
239 20 25 30
241 gcg gat gag gag tgt gtc tat act att tct ctg gca aga gca cag gaa 144
242 Ala Asp Glu Glu Cys Val Tyr Thr Ile Ser Leu Ala Arg Ala Gln Glu
243 35 40 45
245 gat tac aat gcc cca gac tgt agg ttc atc gat gtc aag aaa ggg cag 192
246 Asp Tyr Asn Ala Pro Asp Cys Arg Phe Ile Asp Val Lys Lys Gly Gln
247 50 55 60
249 cag atc tat gtt tac tcc aag ctg gta aca gaa aac gga gct gga gag 240
250 Gln Ile Tyr Val Tyr Ser Lys Leu Val Thr Glu Asn Gly Ala Gly Glu
251 65 70 75 80
253 ttt tgg gct ggc agt gtt tat ggt gac cac cag gat gag atg gga att 288
254 Phe Trp Ala Gly Ser Val Tyr Gly Asp His Gln Asp Glu Met Gly Ile
255 85 90 95
257 gta ggt tat ttc ccc agc aac ttg gtg aag gag cag cgt gta tac cag 336
258 Val Gly Tyr Phe Pro Ser Asn Leu Val Lys Glu Gln Arg Val Tyr Gln
259 100 105 110
261 gag gcc acc aag gag atc cca acc acg gat att gac ttc ttc tgt gaa 384
262 Glu Ala Thr Lys Glu Ile Pro Thr Thr Asp Ile Asp Phe Phe Cys Glu
263 115 120 125
266 <210> SEQ ID NO: 11
267 <211> LENGTH: 18
268 <212> TYPE: PRT
269 <213> ORGANISM: Mus sp.
271 <400> SEQUENCE: 11
272 Met Ala Arg Ile Leu Ile Leu Leu Leu Gly Gly Leu Val Val Leu Cys
273 1 5 10 15

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280 <212> TYPE: PRT
281 <213> ORGANISM: Mus sp.
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285      1          5          10          15
287 Ala Gly His Gly Val Phe Met Asp Lys Leu Ser Ser Lys Lys Leu Cys
288      20          25          30
290 Ala Asp Glu Glu Cys Val Tyr Thr Ile Ser Leu Ala Arg Ala Gln Glu
291      35          40          45
293 Asp Tyr Asn Ala Pro Asp Cys Arg Phe Ile Asp Val Lys Lys Gly Gln
294      50          55          60
296 Gln Ile Tyr Val Tyr Ser Lys Leu Val Thr Glu Asn Gly Ala Gly Glu
297      65          70          75          80
299 Phe Trp Ala Gly Ser Val Tyr Gly Asp His Gln Asp Glu Met Gly Ile
300      85          90          95
302 Val Gly Tyr Phe Pro Ser Asn Leu Val Lys Glu Gln Arg Val Tyr Gln
303      100         105         110
305 Glu Ala Thr Lys Glu Ile Pro Thr Thr Asp Ile Asp Phe Phe Cys Glu
306      115         120         125
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312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
316     oligonucleotide
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319 accacagtcc atgcatcac                                     20
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323 <211> LENGTH: 20
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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336 <211> LENGTH: 24
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338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
342     oligonucleotide
344 <400> SEQUENCE: 15
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VERIFICATION SUMMARY

DATE: 06/04/2002

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Input Set : A:\56804342.app

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